

# CURRICULUM VITAE

## Hugh H. Iltis

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**Birth Date & Place:** 7 April 1925, Brno, Czechoslovakia.  
[US citizenship 1944]

**Military Service:** U. S. 7th Army, 1944-46 (European Theater).

**Academic Training:** University of Tennessee, Knoxville, B.A., 1948.  
Washington University and Missouri Botanical Garden, St. Louis, Missouri,  
M.A., 1950, Ph.D., 1952.

**Positions Held:** Herbarium Assistant to A.J. Sharp, University of Tennessee 1946-48; Research Assistant to Robert Woodson, Missouri Botanical Garden, 1948-1951; University Fellow, Washington University, 1951-1952; Instructor, University of Arkansas, Fayetteville, 1952-1954, Assistant Professor, 1954-1955; Assistant Professor and Curator, University of Wisconsin Herbarium, University of Wisconsin, Madison, 1955-1960; Associate Professor, 1960-1967; Professor and Director, University of Wisconsin Herbarium, 1967-1993; Emeritus Professor & Director, University of Wisconsin Herbarium, 1993-present; Visiting Professor of Botany, University of Virginia, 1958; Visiting lecturer, Siberian Academy of Science, Irkutsk and Novo Sibirsk, 1979; Toyama and Kyoto Universities, Japan, 1982, 1989, 1994; Florence, Rome, 1984; Univ. de Guadalajara, 1988, 1994; San Jose, Costa Rica, 1989; Hawaii, 1990; University of Maracay, Venezuela, 1991; and other institutions in North and Latin America, the USSR and Europe.

**Botanical Field Work:** Virginia, 1940-1943; Pacific Northwest, 1948; Costa Rica, 1949, 1989; Arkansas-Missouri, 1952-1955; Wisconsin, 1955 to present; Mexico, 1960-1996 (16 expeditions, esp. to Jalisco and western Mexico 1960, 71, 72, 77, 78, 79, 81, 82, 84, 87, 88, 90, 93, 94, 95, 96); Guatemala, 1975; Venezuela 1991; Nicaragua and Honduras, 1991; Peru, 1962-1963; Hawaii, 1967, 1990; Lesser Antilles and Puerto Rico 1989; USSR, 1975 (Caucasus), 1979 (Siberia, joint USSR-USA Endangered Flora Exploration); Ecuador, 1963, 1977; European Herbaria, 1964-1965, 1979, 1980, 1986, 1988, 1998.

(Revised 9/4/98)

**Special Interests:** Biogeography, esp. of North and Latin America; Taxonomy, biogeography and evolution of New World Capparidaceae; Flora of Wisconsin; Flora of the Sierra de Manantlán, Jalisco, Mexico (the home of *Zea diploperennis* Iltis, Doebley and Guzman).

Systematics and the origin of maize (*Zea*) through selection by primitive agriculturists by way of morphologically and physiologically peculiar sexual translocations.

Conservation of species and ecosystems, environmentally protective legislation; Environmental preservation of natural areas in Wisconsin and the neotropics.

Human ecology, concepts of the "optimum human environment", i.e., innate human adaptations to and appreciation of nature, natural beauty, natural patterns and biodiversity (biophilia), and the relationship of these to biotic preservation (cf. Iltis, Loucks and Andrews, Bull. Atomic Scientists, 1970).

Preservation of genetic diversity in indigenous crops and their ancestral species, and their destruction by the "Green Revolution", modern agriculture, overpopulation and over-development; problems of germplasm reciprocity with less-developed nations and the question of intellectual rights.

**Research Support:** National Science Foundation, 1962-64, 1965-67, 1974-80, 1981-85, 1986-89 (Facilities Grant); Pioneer Hi-bred International, Johnson, Iowa, 1978-1982; Harris Seed Company, Rochester, New York; J.J. Davis Fund, Botany Dept., and E.K. & O.N. Allen Herbarium Fund, University of Wisconsin.

**Professional Societies:** American Association for the Advancement of Science Societies (fellow); American Institute of Biological Science; American Society of Plant Taxonomists; Association for Tropical Biology; Botanical Society of America; California Botanical Society; International Organization of Plant Biosystematists; International Association for Plant Taxonomy; Ecological Society of America; Torrey Botanical Club; Michigan Botanical Club; Linnean Society of London (fellow); New England Botanical Club; Sociedad Botanica de Mexico (life member); Botanical Club of Wisconsin; Society for the Study of Evolution; Society for Species Biology (Japan); Society for Conservation Biology (1986 board of governors, 1986); Wisconsin Academy of Sciences, Arts and Letters; International Center for Integrative Studies; Organization for Tropical Studies (OTS); Natural Areas Association; Society for Economic Botany.

International Union for the Conservation of Nature and Natural Resources (IUCN); Environmental Defense Fund; The Nature Conservancy; Natural Resource Defense Council; Sierra Club; World Wildlife Fund; Greenpeace; Conservation International; National Institute for the Environment; Rainforest Action; Friends of the Earth; Planned Parenthood International; Zero Population Growth; Natural Areas Association, and other conservation organizations.

**Honors:** Member, Society of Phi Kappa Phi, University of Tennessee, Knoxville, 1948; *Biologia* Senior Honors Award, University of Tennessee, 1948; National Research Council Postgraduate Fellowship, 1952; Member, Society of Sigma Xi, 1953; The Nature Conservancy, National Golden Oakleaf Award, 1963 [co-founder of Wisconsin Chapter]; Fellow, American Association for the Advancement of Science (AAAS), 1972; Fellow, Linnean Society of London, 1982; Who is Who in America; American Men and Women in Science; Presidential Award, Republic of Mexico, 1987 [presented at dedication ceremony for leading role in establishing the Sierra de Manantlán Biosphere Reserve]; Sol Feinstone Environmental Award, College of Environmental Science and Forestry, State University of New York, Syracuse, 1990;

Conservation Award of Conservation Council of Hawaii ["for outstanding service to the Hawaiian environment", i.e. on the 20th anniversary of passage of Hawaii's Natural Area Law, instigated in 1967 by Iltis], 1990;  
Recognition Awards, Universidad de Guadalajara (Mexico), 1990;  
*Maydica* [International Journal of Maize Research], "The Professor Hugh H. Iltis Commemorative Issue: an avid investigator and searcher for the origins of corn."  
Bergamo, Italy, vol. 35(2):1-186, 1990 [a *Festschrift*];  
National Wildlife Federation Special Recognition Award, March 1992;  
Society for Conservation Biology Distinguished Achievement Award, 1994;  
Puga Medal, University de Guadalajara, Mexico, 1994;  
Asa Gray Award, American Society of Plant Taxonomy, 1994;  
Botanical Society of America (Merit Award, 1996, Centennial award 2006);  
Botanist of the Year Award, Society for Economic Botany, 1998.  
Distinguished Alumnus award, Missouri Botanical Garden 1999,  
Ph.D. Honoris Causa, Universite de Guadalajara, Mexico 2007

## Selected Publications:

- Iltis, H.H. 1945. Abundance of *Selaginella* in Oklahoma. *Am. Fern J.* 35: 52.
- Iltis, H.H. 1954. Studies in the Capparidaceae I. *Polanisia dodecandra* (L.)DC., the correct name for *Polanisia graveolens* Rafinesque. *Rhodora* 56: 64-70.
- Iltis, H. H. 1956. Studies in Virginia plants II. *Rhododendron maximum* in the Virginia coastal plain and its distribution in North America. *Castanea* 21:114-124.
- Iltis, H. H. 1956. Studies in the Capparidaceae II. The Mexican species of *Cleomella*: Taxonomy and evolution. *Madroño* 13: 177-189.
- Iltis, H. H. 1956. Studies in the Capparidaceae III. Evolution and phylogeny of the western North American Cleomoideae. *Ann. Mo. Bot. Gard.* 44: 77-119.
- Iltis, H. H. 1958. Studies in the Capparidaceae IV. *Polanisia* Raf. *Brittonia* 10: 33-58.
- Iltis, H. H. 1958. Studies in the Capparidaceae V. Capparidaceae of New Mexico. *The Southwestern Naturalist* 3:133-144.
- Iltis, H.H. 1959. We need many more scientific areas. *Wisconsin Conservation Bull.* 24(9): 3-8.
- Iltis, H. H. 1959. Studies in the Capparidaceae VI. *Cleome* sect. *Physostemon*. *Brittonia* 11: 123-162.
- Iltis, H. H. 1960. Why do we need "Scientific Areas." *Proceedings, Northcentral Branch, Entomological Society of America* XV: 7-13.
- Iltis, H. H. 1960. Studies in the Capparidaceae VII. Old World *Cleomes* adventive in the New World. *Brittonia* 12: 279-294.
- Zimmerman, J.H. & H.H. Iltis. 1961. Conservation of rare plants and animals. *Wisconsin Academy Review* 8: 7-11.
- Johnson, M. & H.H. Iltis. 1964. Preliminary Reports on the Flora of Wisconsin No. 48. Compositae I - Composite family I. (Tribes Eupatorieae, Vernonieae, Cynareae and Cichorieae). *Trans. Wis. Acad. Sci., Arts & Letters* 52: 255-342.
- Iltis, H. H. 1965. Studies in the Capparidaceae IX. *Capparis pachaca* and *C. oxysepala*: taxonomy and geography. *Southwestern Nat.* 10: 57-64.
- Iltis, H. H. 1965. The Genus *Gentianopsis* (Gentianaceae): taxonomic transfers and phytogeographic comments. *Sida* 2: 129-154.
- Mason, C. T. & H.H. Iltis. 1965. Preliminary Reports on the Flora of Wisconsin No. 53. Gentianaceae and Menyanthaceae - Gentian and buckbean families. *Trans. Wis. Acad. Sci., Arts & Letters* 54: 295-329.
- Iltis, H. H. 1966. Studies in the Capparidaceae VIII: *Polanisia dodecandra* (L.)DC. *Rhodora* 68: 41-47.
- Abbot, B. J., J.L. Hartwell, H.H. Iltis, S.M. Kupchan, J. Leiter, R.E. Perdue, Jr., & S.A. Schepartz. 1966. Screening data from the Cancer Chemotherapy National Service Center Screening Laboratories XXXVI.

- Plant Extracts. *Cancer Research* 26(9): 1131-1277.
- Iltis, H. H. 1966. The meaning of human evolution to conservation. *Wisconsin Academy Review* 13(2): 18-23.
- Iltis, H. H. 1967. Studies in the Capparidaceae XI. *Cleome afrospina*, a tropical African endemic with neotropical affinities. *Am. J. Bot.* 54: 953-962.
- Iltis, H. H. 1967. A plea for man and nature. *Science* 156: 581.
- Iltis, H. H. 1967. To the taxonomist and ecologist: whose fight is the preservation of nature? *BioScience* 17: 886-890. (Modified version, Whose fight is the fight for nature? Reprinted in the 50th Anniversary Issue of *Sierra Club Bulletin* 52(9): 34-39. 1967.)
- Marcks, B.G. & H.H. Iltis. 1967. Post-glacial hybridization of *Cyperus schweinitzii* and *C. macilentus*. *Am. Jour. Bot.* 54: 659-660 (Abstract).
- Iltis, H. H. 1968. The optimum human environment and its relation to modern agricultural preoccupations. *The Biologist* 50: 114-125. (Reprinted in *Newsletter Society for Social Responsibility in Science* 189: 1-3: 190: 4-5).
- Iltis, H. H. 1968. Parks, open spaces, and waterways; human needs and their evolutionary reasons. *Illinois Parks* 24: 31-35.
- Thompson, J.W. & H.H. Iltis. 1968. A fog-induced lichen community in the coastal desert of southern Peru. *Bryologist* 71: 31-34.
- Iltis, H. H. 1969. A requiem for the prairie. *The Prairie Naturalist* 1: 51-57.
- Iltis, H. H. 1969. Studies in the Capparidaceae XII. *Polanisia dodecandra riograndensis*, ssp. nov. *Southwestern Nat.* 14: 115-121.
- Utech, F. S. & H.H. Iltis. 1970. Preliminary Reports on the Flora of Wisconsin No. 61. Hypericaceae - St. John's-wort family. *Trans. Wis. Acad. Sci., Arts & Letters* 58: 325-351.
- Iltis, H. H. 1970. Man first? Man last? The paradox of human ecology. *BioScience* 20(14): 820. (editorial).
- Iltis, H. H., O.L. Loucks, & P. Andrews. 1970. Criteria for an optimum human environment. *Bulletin of the Atomic Scientist* 25(1): 2-6. (Reprinted in *Ekistics* (Athens, Greece) 29: 449-458, and widely anthologized.)
- Iltis, H. H. 1970. Fam. 81. Capparidaceae Juss. Caper Family. In Correll, D.S. & M.C. Johnston, *Manual of the Vascular Plants of Texas*. Texas Research Foundation, Renner, Texas. pp. 706-711.
- Iltis, H. H. 1970. Man's forgotten necessity...eco-variety. *Field and Stream* 75: 62, 44-48.
- Iltis, H. H. 1971. Technology vs. wild nature: what are man's biological needs? *Northwest Conifer* 17(4): 5-22.
- Iltis, H. H. 1972. A Explosao Demografica, A Crise Conservacionista e a Igreja Catolica. Este e o Nosso Unico Mundo. Sao Paulo, Brazil. 16 pp. [Translated and privately printed by ?]

- Iltis, H. H. 1972. Conservation, contraception and Catholicism: a 20th century trinity. *The Biologist* 54(1):35-47.
- Iltis, H. H. 1972. Sheperds leading sheep to slaughter: The biology teacher and man's mad and final war on nature. *The American Biology Teacher* 34: 127-130, 137.
- Iltis, H. H. 1972. Shepherds leading sheep to slaughter: The extinction of species and the destruction of ecosystems. *The American Biology Teacher* 34: 201-205, 221.
- Iltis, H. H. 1972. The taxonomy of *Zea mays* (Gramineae). *Phytologia* 23(2): 248-249.
- Iltis, H. H. 1973. Pollution and adaptation: what hope for man? pp. 1-6 In: C.T. Lange & P.E. Klinge, eds., *Pollution*, A National Association of Biology Teachers special publication, Washington, DC.
- Iltis, H. H. 1973. Can one love a plastic tree? *Bull. Ecol. Soc. Am.* 54: 5-7, 19 (Reprinted as Down the technological fix. *Landscape Architecture Quarterly* 63: 361-363.)
- Iltis, H. H. 1973. *Capparis hypoleuca* Presl: A synonym of *Solanum schlechtendalianum* Walp. *Ann. Missouri Bot. Gard.* 59:474.
- Iltis, H. H. 1974. Freezing the genetic landscape - the preservation of diversity in cultivated plants as an urgent social responsibility of the plant geneticist and plant taxonomist. *Maize Genetics Cooperation Newsletter* 48:199-200.
- Iltis, H. H. 1974. Flowers and human ecology. In: C. Selmes, ed., *New Movements in the Study and Teaching of Biology* M. Temple Smith, London. pp. 289-317.
- Iltis, H. H. 1974. Nature and man's needs. *Indiana Nursery News* 35: 7-13 (unedited version, pirated directly from a tape).
- Iltis, H. H. 1974. Pollution: Can man adapt? pp. 98-102; and Wilderness: Can man do without? pp. 167-170. In: Allan, D.J. & A.J. Hanson, eds., *Recycle This Book: Ecology, Society, and Man*. Wadsworth Publ. Co., Belmont, California.
- Knapp, R. 1975. (Translated from the German by A.Y. Yoshinaga and H.H. Iltis.) Vegetation of the Hawaiian Islands. *Hawaiian Botanical Society Newsletter* 14(5): 95-121.
- Iltis, H.H. 1978. Studies in the Capparidaceae XIV. *Capparis ecuadorica*, a new species. *Selbyana* 2: 303-307.
- Iltis, H.H.(ed.) 1978. *Extinction or Preservation? What Biological Future for the South American Tropics (A collage of readings)*. Botany Department, University of Wisconsin, Madison, Wisconsin. 220 pp.
- Iltis, H.H., J.F. Doebley, R. Guzman M. & B.Pazy. 1979. *Zea diploperennis* (Gramineae): A new teosinte from Mexico. *Science* 203: 186-188.
- Allen, T. F. H. & H. H. Iltis. 1980. Overconnected collapse to higher levels: Urban and agricultural origins, a case study. Pages 96-103. In: B.H. Banathy, ed., *Systems Science and Science* Proceedings of the Twenty-fourth annual North American Meeting of the Society for General Systems Research, Louisville, KY.

- Iltis, H. H. 1980. Why man needs open space: the basic optimum human environment. pp. 3-5; In: *The Urban Setting Symposium*. S.H. Taylor, ed., Connecticut College, New London, Conn.
- Doebley, J.F. & H.H. Iltis. 1980. Taxonomy of *Zea* (Gramineae) I. Subgeneric classification with key to taxa. *Amer. J. Bot.* 67: 982-993.
- Iltis, H. H. & J. F. Doebley. 1980. Taxonomy of *Zea* (Gramineae) II. Subspecific categories in the *Zea mays* complex and a generic synopsis. *Amer. J. Bot.* 67: 994-1004.
- Alverson, W. S. & H. H. Iltis. 1980. Plant Registry File, endangered and threatened plant species of Wisconsin. Herbarium, University of Wisconsin, Madison, and the Bureau of Endangered Resources, Wisconsin Department of Natural Resources, Madison. ca. 1200 pp.
- Iltis, H. H. 1981. Studies in the Cappariaceae XV: *Capparis panamensis*, n. sp. *Ann. Missouri Bot. Gard.* 68:681-685.
- Iltis, H.H. 1981. Wild maize, wild mountains and wild tomatoes: the role of good fortune and serendipity in botanical explorations. *Bot. Soc. America Misc. Serv. Publ.* 160:39. (Abstract)
- Iltis, H. H. 1982. Discovery of No. 832: an essay in defense of the National Science Foundation. *Desert Plants* 3: 175-192.
- Nault, L. T., D. T. Gordon, V. D. Damsteegt & H. H. Iltis. 1982. Response of annual and perennial teosinte (*Zea*) to six maize viruses. *Plant Diseases* 66: 61-62.
- Iltis, H. H. 1983. Tropical forests: what will be their fate? *Environment* 25(10): 55-60.
- Iltis, H. H. 1983. The 3rd University of Wisconsin - University of Guadalajara Teosinte Expedition to the Sierra de Manantlan, Jalisco, Mexico: December 28, 1979 to January 21, 1980. Background, preliminary results and commentary on nature preservation in Mexico. [ed. 1, 1980], ed. 2. *Contr. Univ. Wisconsin Herb.* 1: 1-78.
- Iltis, H. H. 1983. The catastrophic sexual transmutation theory (CSTT): from the teosinte tassel spike to the ear of corn. *Maize Genetics Cooperation Newsletter* 58: 81-92.
- Iltis, H. H. 1983. From teosinte to maize: the catastrophic sexual transmutation. *Science* 222: 886-894. (cf. Letters, *Science* 225: 1093-1096. 1984).
- Iltis, H. H. 1983. A taxonomy of neotropical ferns. *BioScience* 33(10): 659. (book review)
- Iltis, H. H. & D. A. Kolterman. 1983. Botanical translations: needs and responsibilities. *BioScience* 33(10): 613. (editorial)
- Iltis, H. H. & J. F. Doebley. 1984. *Zea* - A biosystematical odyssey. Pages 587-616, in W. F. Grant, ed., *Plant Biosystematics* Academic Press: Orlando, FL.
- Cheng, P. C., H. H. Iltis & B. F. Benz. 1986. The floral development of "Northern Teosinte" (*Zea mays* subsp. *mexicana* race Nobogame). *Proc. XIth Int. Cong. on Electron Microscopy*, Kyoto, Japan, pp. 3273-3274.
- Iltis, H. H., D. Kolterman & B. F. Benz. 1986. Accurate documentation of germplasm: the case of the lost Guatemalan teosintes. *Economic Botany* 40: 70-79.

- Iltis, H. H. 1986. Bounty of a harsh and meager land. *Natural History* 95:74-79.
- Iltis, H. H. 1987. Los bosques tropicales y la extincion de la vida en la tierra: haciendo las preguntas correctas. *Biocenosis* (San José, Costa Rica) 3: 27-35.
- Iltis, H.H. ed., 1987. *Sierra de Manantlán (Jalisco, Mexico) Miscellanea*. Contr. Univ. Wisconsin Herb. 7:1-70. (Ed. 2. 1989.)
- Iltis, H. H. 1987. Maize evolution and agricultural origins. Pages 195-213, in T. R. Soderstrom, K. W. Hilu, C. S. Campbell and M. E. Barkworth, eds., *Grass Systematics and Evolution* Smithsonian Institution Press: Washington, DC.
- Iltis, H. H. 1988. Serendipity in the exploration of biodiversity: what good are weedy tomatoes? Pages 98-105, in E. O. Wilson, ed., *Biodiversity* National Academy Press, Washington, DC.
- Iltis, H. H. 1989. Dogs, Rodents, and Agriculture. (Letter). *Natural History* 98(2): 4.
- Tucker, A.O., M.E. Poston and H.H. Iltis. 1989. History of the LCU Herbarium, 1895-1986. *Taxon* 38(2): 196-203.
- Iltis, H. H. 1989. Tropical deforestation and the fallacies of agricultural hope. United Nations Environmental Programme and the Government of Japan, Conference on the Global Environment and Human Response Towards Sustainable Development, Tokyo, 11-13 September, 1989. Conference manuscript, pp. 1-20.
- Iltis, H. H. & T. S. Cochrane. 1989. Studies in the Capparidaceae XVI. *Podandrogyne*: a new species and three new combinations. *Rev. Acad. Colombiana Cienc.* (Bogota) 17(65): 265-270.
- Benz, B. F. & H. H. Iltis. 1990. Studies in archaeological maize I: the "wild" maize from San Marcos cave reexamined. *American Antiquity* 55(3):500-511.
- Vazquez G., J. A., G.R. Cuevas, T.S. Cochrane & H. H. Iltis. 1990. Flora de la Reserva de la Biósfera Sierra de Manantlán, Jalisco-Colima, México. Laboratorio Natural Las Joyas--Universidad de Guadalajara Publicacion Especial 1 (Contributions from the UW-Madison Herbarium Number 9): 1-166.
- Iltis, H. H. 1991. Capparaceae. In: D.H. Nicolson, ed., *Flora of Dominica, Part 2: Dicotyledoneae*. *Smithsonian Contributions to Botany* 77: 60-63.
- Guzman M., R. & H. H. Iltis. 1991. Biosphere Reserve established in Mexico to protect rare maize relative. *Diversity* 7(1&2): 82-84.
- Guzman M., R. & H. H. Iltis. 1991. Proteccion a genes perennes de maíz en una reserva de la biosfera. *Diversity* [Spanish Edition] 7(1&2): 89-92.
- Iltis, H. H. 1991. Tropical deforestation and the fallacies of agricultural hope. In: C. V. Blatz, ed., *Ethics and Agriculture: An Anthology on Current Issues in World Context* University of Idaho Press pp. 499-512.
- Benz, B. F. & H. H. Iltis. 1992. Evolution of female sexuality in the maize ear (*Zea mays* L. ssp. *mays* - Gramineae). *Economic Botany* 46:212-222.
- Iltis, H.H. 1992. The Origin of Corn. In: P.H. Raven, R.F. Evert & S. Eichhorn, *Biology of Plants* (ed. 5):693.



- Iltis, H.H. 1992. Systematics as a catalyst in bio-preservation: the case of a Mexican Biosphere Reserve. AAAS Annual Meeting, Chicago (Abstract).
- Al-Shehbaz, I. & H.H. Iltis. 1993. *Romanchulzia mexicana* (Brassicaceae), a remarkable new species from Guerrero, Mexico. *Novon* 3: 96-98.
- Iltis, H. H. 1993[1994]. La taxonomía del *Zea* desde una perspectiva histórica. In: B. Benz, ed., *Biología, Ecología y Conservación del género Zea*, Universidad de Guadalajara, Mexico, pp. 17-41.
- Iltis, H. H. 1994. *Gentiana chazaroi* (Gentianaceae), a new western Mexico species. *Acta Botanica Mexicana* 26:1-5.
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- Iltis, H.H., L.J. Cumana-C., R.E. Delgado-M., & G.C. Aymard. 1996. Studies in the Capparidaceae XVIII. A new giant-fruited *Capparis* (*C. muco*) from eastern Venezuela. *Novon* 6:375-384.
- Iltis, H.H. 1996. Tropical flowers are marvelous. *Ecology* 72:655-656. (Book review of P.K. Endress, *Diversity and Evolutionary Biology of Tropical Flowers*).
- Iltis, H.H. 1996 [Alwyn Gentry at the University of Wisconsin] In: J.S. Miller, ed., Alwyn Howard Gentry, 1945-1993: A tribute. *Ann. Missouri Bot. Garden* 83:446-449.
- Iltis, H.H. 1996. Sexual translocation and the origin of maize: New wine in an old bottle. AIBS Annual Meeting, Seattle. (Abstract).
- Iltis, H.H. & T. Ruiz-Zapata. 1997. Studies in the Capparaceae XIX. *Cleome torticarpa* n.sp., a Venezuelan endemic. *Novon* 7:367-372.
- Iltis, H.H. 1997. Extinction is forever. *Resurgence* (London, U.K.) 185:18-22.
- Ruiz-Zapata, T. & H.H. Iltis. 1998. Studies in the Capparaceae XX. Capparaceae. In: *Flora of the Venezuelan Guyana*. P.E. Berry, B.K. Holst & K. Yatskievych, eds., 4:132-157.
- Iltis, H.H. 1998. Meeting Maestra Puga, *Bol. Inst. Bot. Univ. Guadalajara* (Mexico) 5:353-355. (Puga Festschrift vol. 1).
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- Iltis, H.H. 1999. *Setchellanthaceae*, a new family for a relictual, glucosinolate-producing endemic of the Mexican deserts. *Taxon* 48: 257-275.
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- Cochrane, T.S. and H.H. Iltis. 2000. Atlas of the Wisconsin Prairie and Savana Flora. Wisconsin Department of Natural Resources (in cooperation with the University of Wisconsin-Madison Herbarium). Technical Bull. 191:1-226. (Second corrected printing, Department of Botany, University of Wisconsin, 2002).
- Iltis, H.H. 2000. Homeotic sexual translocations and the origin of maize (*Zea mays*, Poaceae): A new look at an old problem. *Economic Botany* 54(1):7-42.
- Iltis, H.H. and Benz, B. F. 2000. *Zea Nicaraguensis* (Poaceae), a New Teosinte from Pacific Coastal Nicaragua, *Novon* 10 :382-390.
- Iltis, H.H. 2001. Capparaceae Juss. In: Stevens, W.D., C. Ulloa V., A. Pool, O.M. Montiel, eds. *Flora de Nicaragua* 1:566-584. [Studies in the Capparidaceae XXI] [*Monographs in Systematic Botany from the Missouri Bot. Gard.* 85(1):566-584. St. Louis, Missouri].
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- Hall, J.C., K.J. Sytsma, and H.H. Iltis. 2002. Phylogeny of Capparaceae and Brassicaceae based on chloroplast sequence data. *Amer. Jour. of Bot.* 89(11):1826-1842.
- Iltis, H.H. 2002. The impossible race: Population growth and the fallacies of agricultural hope. Pp. 35-39 in Andrew Kimbrell (ed.), "Fatal Harvest: The Tragedy of Industrial Agriculture", Island Press, 384 pp. (Reprinted in *Wild Earth* 12(2):64-69, Fall 2002).
- Iltis, H.H. and S.A. Mori. 2002. Studies in the Capparaceae XXa, Guide to the Vascular Plants of Central French Guiana, Part 2. Dicotyledons, ed. Mori, S.A. *et al.*, *New York Botanical Garden Press Memoirs of the New York Botanical Garden* 76(2):186-188
- Iltis, H.H. 2002. "Domestication of Zea: first for sugar, only then for grain? A novel idea with vast implications." Botanical Society of America Botany 2002: 43. Madison, Wisconsin Annual Meeting (Abstracts).
- Iltis, H.H. 2003. Zea. Barkworth, M. *et al.* , ed. *Flora of North America: Gramineae* volume 25: 696-703 Oxford University Press 2003. (section on the genus Zea, i.e. , maize and teosintes)
- Hall, J.C., H.H. Iltis and K.J. Sytsma. 2004. Molecular Phylogenetics of Core Brassicales, Placement of Orphan Genera *Emblingia*, *Forchhammeria*, *Tirania*, and Character Evolution. *Systematic Botany* 29(3):654-669
- Iltis, H.H. 2005. Studies in the Cleomaceae II: *Cleome boliviensis*, a New, Spiny, Large- Flowered Andean Species, *Novon* 15(1):146-155

Iltis, H.H. and X. Cornejo 2005. Studies in the Capparaceae XXII. *Capparis sclerophylla* n.sp., a Novelty from Arid Coastal Peru and Ecuador. *Novon* 15(3):429-437.

Iltis, H.H. and X. Cornejo 2005. Studies in the Capparaceae XXIII. *Capparis coimbrana*, a New Species from Bolivia, *Brittonia* 57(2):155-161.

Iltis, H.H. 2005. Studies in the Capparaceae XXIV. Edward Palmer in Corumba, Brazil and the first collection of *Capparis coimbrana*, *Brittonia* 57(2):162-166.

Iltis, H.H. and X. Cornejo 2005. Studies in the Capparaceae XXVI. *Capparis bonifaziana*, a new species and western Ecuadorian sister to the mostly Amazonian *C-macrophylla* *Novon* 15(3):393-404.

Iltis, H.H. 2005. Studies in the Cleomaceae III: *Cleome costaricensis*, a montane endemic, *Brenesia* 63-64:1-10

Iltis, H.H. 2006. Origin of Polystichy in Maize, (in *Histories of Maize – Multidisciplinary Approaches to Prehistory, Linguistics, Biogeography, Domestication, and Evolution of Maize*, Ed. By Staller, J. , Tykot, R. and Benz, B. F. Academic Press June 2006)

Masters Theses and Doctoral Dissertations  
Under the Direction of Hugh H. Iltis

Year	M.S.	Ph.D.
1956	Noamesi, Gottlieb K.	
1957	Koeppen, Robert C.	
1958	Gale, Harriet N.	Noamesi, Gottlieb K. Zimmerman, James H.
1960	Patman, Jacqueline P.	
1961	Melchert, Thomas E. Schlising, Robert A. Ugent, Donald	
1962	Johnson, Miles F.	Koeppen, Robert C.
1965	Crosswhite, Frank S. Kane, James M.	
1966	Michelson, Carol J. Streveler, Barbara E. Roe, Keith	Ugent, Donald
1967	Marcks, Brian G.	
1968	Mori, Scott A.	
1969	Gentry, Alwyn H. Utech, Frederick H.	Roe, Keith
1971		Crosswhite, Frank S.
1972		Marcks, Brian G.
1973		Collins, Lawrence T.
1974	Kallunki, Jacquelyn A.	Mori, Scott A.
1977	Hansen, Bruce F. Waterway, Marcia J.	
1978	Keller, Carolyn S.	
1979		Nee, Michael
1980		Doebly, John F.
1983	Cochrane, Theodore S.	
1985	Judziewicz, Emmet J.	
1986		Alverson, William S. Benz, Bruce F.
1987	Chazaro B., Miguel Reisfield, Shai	Camerini, Jane R. (co-advisor) Judziewicz, Emmet J. Schatz, George E.
1990	Vazquez, Antonio	
1991	Guzman, Rafael	Solheim, Stephen (co-advisor)
1996	Gonzales, Luz Maria	

Ph.D. Theses and Selected MS Theses under H.H. Iltis' Direction

1958 Noamesi, Gottlieb Kofi, A revision of the Xylocarpeae (Meliaceae). Ph.D.

Former position (Retired): Member of W.H.O. Regional Panel for Disease Prevention Control, and Director, Dr. G.K. Noamesi Laboratory of Medicinal Plant Research, Hohoe, Ghana.

1958 Zimmerman, James H. A monograph of *Veratrum*. Ph.D.

Former position (Deceased): Lecturer, Department of Landscape Architecture, University of Wisconsin-Madison, Madison, WI.

1961 Schlising, Robert A. Caryophyllaceae of Wisconsin. M.S. (Ph.D., University of California-Berkeley, 1966).

Present position: Professor, Department of Biological Sciences, California State University-Chico.

1962 Johnson, Miles F. Eupatorieae, Vernoniae, Cynarieae and Cichorieae of Wisconsin. M.S. (Ph.D., University of Minnesota, St. Paul).

Former position (retired): Professor, Department of Biology, Virginia Commonwealth University, Richmond, VA.

1962 Koeppen, Robert C. Taxonomic and wood anatomical studies in the tribe Cassieae. Ph.D.

Former position (Retired): Forest Products and Harvesting Research Staff, Forest Service-U.S.D.A., Washington, D.C.

1965 Kane, James M. Hybrids of *Actaea alba* and *A. rubra* (Ranunculaceae) in Wisconsin. M.S.

Present position: Professor and Chair of Biology, Muskegon Community College, Muskegon, MI.

1966 Marcks (née Mickelson) Carol J. Helenieae and Anthemideae of Wisconsin. M.S.

Present position: Librarian, School of Veterinary Sciences, LSU, Baton Rouge, LA.

1966 Ugent, Donald. Hybrid weed complexes in *Solanum*, section *Tuberarium*. Ph.D.

Present position: Professor and Curator of the Herbarium, Botany Department, Southern Illinois University, Carbondale, IL.

1969 Gentry, Alwyn H. *Tabebuia* (Bignoniaceae) in Central America. M.S. (Ph.D. Washington University, St. Louis, MO, 1972).

Former position (Deceased): Curator of the Herbarium, Missouri Botanical Garden, St. Louis, MO.

1969 Roe, Keith. A revision of *Solanum* section *Brevantherum*. Ph.D.

Present position: Head of Science Library, State University of New York, Binghamton, NY.

1969 Utech, Frederick H. Tiliaceae, Malvaceae and Hypericaceae of Wisconsin. M.S. (Ph.D., Washington University, St. Louis, Missouri).

Present position: Director, Section of Botany, Carnegie Museum of Natural History, Pittsburgh, PA.

1971 Crosswhite, Frank S. Revision of *Penstemon* sections. Ph.D.

Former position (Retired): Director, Boyce-Thompson Southwestern Arboretum, Superior, AZ, and editor, *Desert Plants*.

1972 Marcks, Brian G. Population studies in North American *Cyperus* section *Laxiglumi* (Cyperaceae). Ph.D.

Present position: Coastal Wetlands Analyst, Department of Natural Resources, State of Louisiana,

Baton Rouge, LA.

1973 Collins, Lawrence T. Systematics of *Orobanche* section *Myzorrhiza* (Orobanchaceae). Ph.D.

Present position: Professor, Biology Department, Evangel College of the Assemblies of God, Springfield, MO.

1974 Kallunki, Jacquelyn A. Population studies of *Goodyera* (Orchidaceae) with emphasis on the hybrid origin of *G. tessellata*. M.S. (Ph.D., University of Wisconsin-Madison, 1979).

Present position: Assistant Director of the Herbarium, The New York Botanical Garden, Bronx, N.Y.  
Editor-in-chief of *Brittonia*.

1974 Mori, Scott A. Taxonomic and anatomic studies in *Gustavia* (Lecythidaceae). Ph.D.

Present position: Director of Research, Institute of Systematic Botany, The New York Botanical Garden, Bronx, N.Y.

1977 Waterway, Marcia J. Population studies of *Lycopodium lucidulum*, *Lycopodium porophilum* and their hybrids. M.S. (Ph.D., Cornell University).

Present position: Curator of Herbarium, Department of Plant Science, MacDonald College, Quebec, Canada.

1979 Nee, Michael. A revision of *Solanum* section *Acanthophora*. Ph.D.

Present position: Senior Curator, The New York Botanical Garden, Bronx, N.Y.

1980 Doebley, John F. The maize and teosinte male inflorescence: a numerical taxonomic study. Ph.D.

Former position: Professor of Plant Biology, University of Minnesota, St. Paul, MN.  
Present Position as of Sept. 1999, Professor of Genetics, Univ. of Wisconsin-Madison.

1986 Alverson, William S. *Quararibea* Aubl. sensu lato (Bombacaceae) in Mexico, Central America and the Antilles: A taxonomic study. Ph.D.

Present position: Research Scientist, Gray Herbarium, Harvard University, Cambridge, Mass.

1986 Benz, Bruce F. Taxonomy and evolution of Mexican maize. Ph.D.

Present position: Assistant Professor, Dept. of Biology, Texas Wesleyan University, Ft. Worth, TX, and  
Ethnobotanist, Instituto Manantlán de Ecología y Biodiversidad (IMECBIO), Universidad de  
Guadalajara Costa Sur, Autlan, Jalisco, Mexico.

1987 Camerini, Jane Roudier. Darwin, Wallace and Maps. Ph.D. (Co-director).

Present position: Research Associate, History of Science Department, University of Wisconsin-Madison.

1987 Judziewicz, Emmet J. Taxonomy and morphology of the tribe Phareae (Poaceae: Bambusoideae). Ph.D.

Present position: Researcher, National Park Service, and Senior Scientist, Department of Natural Resources, State of Wisconsin.

1987 Schatz, George E. Systematic and ecological studies of Central American Annonaceae. Ph.D.

Present position: Curator of Madagascan Botany, Missouri Botanical Garden, St. Louis, MO.

1990 Vazquez G., Jose Antonio. Taxonomy of the genus *Magnolia* (Magnoliaceae) in Mexico and Central America. M.S. (Ph.D., University of Wisconsin-Madison, 1995).

Present position: Professor of Botany and Director, Instituto de Botanica, Universidad de Guadalajara, Zapopan, Jalisco, Mexico.

1991 Solheim, Stephen L. *Reevesia* and *Ungeria* (Sterculiaceae): a taxonomic and biogeographic study. Ph.D. (Co-director).

Present position: Associate Professor, Department of Biology, University of Wisconsin-Whitewater, Whitewater, WI.

1991 Guzmán-M., Rafael. Gauging success is protecting Mexican biosphere reserves. M.S.

Present position: Professor, Universidad de Guadalajara. Guadalajara, Jalisco, Mexico.

1996 Gonzales-Villarreal, Luz Maria. *Clethra* (Clethraceae) Section Cuellaria in Mexico: Taxonomy, Ecology and Biogeography. M.S.

Present position: Research Associate, Botany Department, University of Wisconsin-Madison.